

Kyushu Electric Power Group

Since its establishment in 1951, the mission of the Kyushu Electric Power Company has been to assure quality and comfort in life for customers and their local communities by providing a stable supply of electricity.

Kyuden Group Management Vision 2030

Kyuden Group:

Creating the future, starting from Kyushu

Providing more prosperous,

comfortable living to become our customers' No.1 choice



ESG Initiatives

As the business environment changes significantly, the Kyuden Group will actively engage in the pursuit of ESG initiatives with the aim of improving mid- to long-term corporate value.



Contribute to the achievement of the SDGs⁽¹⁾ adopted by the UN, in order to make progress on implementing sustainability initiatives from an ESG standpoint, while also contributing to the sustainable growth of the Kyuden Group.

(*) Sustainable Development Goals for international society as a whole, adopted in 2015 at a United Nations summit. Seventeen goals were selected for realization by 2030.

Theme	Main related SDGs	Major CSR Challenges
Global environment Lessen the risks of climate change and protect the bountiful planet.		Reduce CO ₂ emissions
		Develop/adopt renewable energy
		Preserve biodiversity
Economic foundation Support people's lifestyles and the economy with energy infrastructure.		Provide energy reliably
		Operate nuclear power stations safely and reliably
		Create urban development for safe, strong neighborhoods
		Meet customer needs and challenges with energy services
Local community Together with residents of the region, we will energize local communities.	1 3 3 3 4 5 6 7 6 7 6 7 6 7 6 7 6 7 6 7 6 7 6 7 6	Promote local industry and create jobs
		Expand the number of visitors to Kyushu
		Help create a society that is equally welcoming for the elderly and children
Organizations/human resources Urge employees to take on challenges, and strengthen organizational foundations.	3 3 3 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1	Create innovation
		Develop personnel
		Create work-friendly environments
		Ensure effective corporate governance

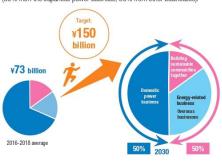
Business performance targets for 2030

Consolidated ordinary profit of ¥150 billion

Total electricity sales volume of 120 billion kWh

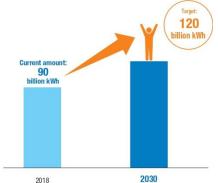
Contributing to reducing Kyushu's CO2 emissions by 70%

We will come together as a group to pursue the strategies required to realize our vision, targeting ¥150 billion in ordinary consolidated profit by 2030 (50% from the Japanese power business, 50% from other businesses)

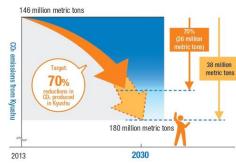


[As for shareholder return] We are currently aiming to achieve the same level of dividends as before the 2011 earthquake (around ¥50 per share). With a basic policy of maintaining a stable dividend, we will then work to provide even greater shareholder returns by adjusting our dividends in the light of growth in

We will aim to achieve total electricity retail and wholesale electric power sales volume of 120 billion kWh in Japan and overseas.

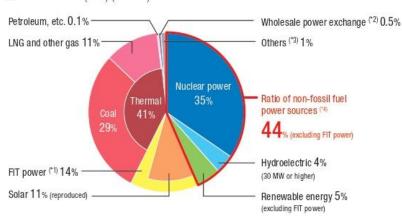


By promoting the use of renewable and nuclear energy to improve the proportion of usage of non-fossil fuels and by encouraging electricity usage in various industries, the Kyuden Group will contribute to reductions in CO2 emissions produced in Kyushu of 70% (26 million metric tons). (1)



(*) Japan's intermediate target is to achieve a 26% reduction in comparison to FY2013 by 2030. Converting this into a target for Kyushu results in a required reduction of approximately 38 million metric tons, corresponding to 26% of the 146 million metric tons of CO₂ emitted in Kyushu in FY2013.

Power sources (kWh) (FY2019)





Expansion of overseas business

To achieve our goal of 5,000 MW output from our equity ownership in overseas businesses in 2030, we will expand our business into new areas including microgrids and power transmission and distribution, and into our existing markets of Asia and North America as well as new areas such as Europe, the Middle East, and Africa.

2030 target for equity ownership in Equity ownership in overseas 2,410 MW (as of June 30, 2020) 5.000 mwoverseas power generation power generation Overseas power generation assets (IPP, etc.) Overseas consulting Equity ownership in output in 13 countries/regions 2,410 MW 82 projects in 23 countries (cumulative) Inner Mongolia IPP TaweelahB IWPP (Gas) Southfield Energy (Gas) Kleen Energy (Gas) (Wind) (Total output: 2,000 MW) · Regional energy Hsin Tao IPP (Gas) Total output: 1,182 MW) (Total output: 620 MW) (Total output: 50 MW) (Equity output: 120 MW) supply study (Total output: 600 MW) (Equity output: 214 MW) (Equity output: 126 MW) (Equity output: 15 MW) **★**ΠΔΕ (Equity output: 199 MW) ica (under constructi Serbia Birdsboro (Gas) Energy basic study PowerSource (Total output: 488 MW) microgrid project (Equity output: 48 MW) Thermal power station equipment upgrade

Solar power generation construction support Ilijan IPP (Gas) (Total output: 1,200 MW) Westmoreland (Gas) (Total output: 940 MW) (Equity output: 96 MW) (Equity output: 118 MW) Study of IoT technology adoption he Marshall Islands at geothermal power station · Solar power generation · Electric power supply construction support improvement plan **EGCO** Phu My III IPP (Gas) · Electric power master plan (Total output: 5,646 MW °) (Total output: 744 MW) (Equity output: 347 MW) (Equity output: 199 MW) Senoko Energy (Gas) ★Thailand, etc (Total output: 495 MW (x2)) Sarulla IPP (Geothermal) (Total output: 2,380 MW) (Equity output: 248 MW (x2)) (Total output: 330 MW) (Equity output: 357 MW) (Equity output: 83 MW) IPP or other investment projects Dam and power generation management

Note: Consulting indicates results of major activities in recent years

★: New project participation in FY2019

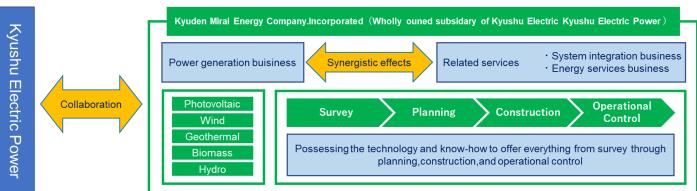
Kyuden Mirai Energy promotes development of renewable energies -Photovoltaic, Wind, Biomass, Geothermal and Hydroelectric.

We work on the core company in the development renewable energy in the Kyushu Electric Power Group

Development of Power Resources



■ Business Structure







Development Target

We set target to develop 850 MW of renewable energy in 10 years. It is already reached about 800 MW including planning projects.

We pursue to develop much energy from renewable resources.



Offshore Wind Power

Hibikinada Offshore Wind Farm Project

Rated output	220MW
Foundation Type	Jacket
Start of construction	2022
Shereholders	KME(Project Manager), J-POWER, Hokutaku, Saibu Gas, Kyudenko



Photo of same model(V164-8.25MW)
Provided by: MHI Vestas Offshore Wind A/S

Floating Wind Joint Industry Project **Objective**:

· Investgate the challeges and opportunities for large scale floating wind farms

Focus:

- · Common technical challenges
- Large-scale deployments(500-1,000MW)
- · Technology neutral-semi-sub, sper, TLP, barge all within scope

Delivery model:

- · External consultants & contractors
- · Extensive stakeholder engagement
- · Multi-sector:Offshore Wind,Oil & Gas,Marine Renewables,Other
- Managed by Carbon Trust

■ Biomass Power

Business Company	Shimonoseki Biomass Energy LLC
Rated output	75MW
Installation	February 2022
Investors	Kyuden Mirai Energy Co., Ltd. 85% Nishinippon Plant Engineering and Construction Co., Ltd. 9% Kyuden Industry Co., Ltd. 6%

TOTALE Energies

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ENDW equinor

ENDW equinor

ENDW equinor

CARBON TRUST

ENDW equinor

COTSTED REMEMBER

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Frenouvelables

FRENEWABLES

TEPCO

TotalEnergies

TotalEnergies



This business is the biggest woody biomass power generation enterprise in Japan.

Kyushu Electric Power Group carries investigation, construction, operation, maintenance and management. Kyuden Mirai Energy: Operation in general, Nishinippon Plant Engineering and Construction: Construction and Maintenance, Kyuden Industry: Operation

Promote Renewable Energy

Kyuden Mirai Energy promotes development of renewable energies - photovoltaic, wind, geothermal, biomass and hydroelectric.

We work on renewables development in and out of Japan.

Installed Power Plants (as of February 2022) (Including subsidiary & tie-ups with business partners)

Total 632MW









3ites 142MW



Fukushoma Pref.

Nagano Pref.

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Fukuoka Woody Biomass Power Plant 5,700kW (Operation started in May 2020) Utilizes unused energy of domestic timberas fuel for power generation



Sugawara Binary Power Plant 5,000kW (Operation started in June 2015)

The first geothermal power generation business in collaboration with local government in Japan



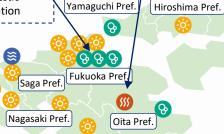
 \diamondsuit Alliance with other companies

43,500kW (Operation started in June 2017)

· Utilizes areas damaged by the great earthquake

SuGu I/II Power Plant 5,130kW (Operation started in April 2018)

Floating solar power projectoverseas





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Miyazaki Pref.

Kumamoto Pref.

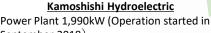




Okinawa Pref.



Taiwan



September 2018) Utilizes the local irrigation and unused fall



OKushima Wind Power Plant

64,800kW (Operation started in October 2020) · 23 wind turbine generators



Miyazaki Biomass Power Plant

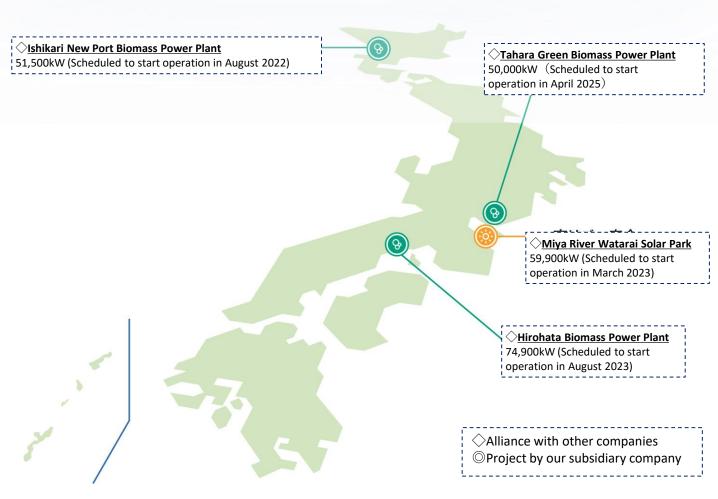
- 11,350kW (Operation started in May 2005)
- Uses chicken manure as fuel for power generation

■ Future Plans (as of February 2022) (Including subsidiary & tie-ups with business partners)

Total 236MW (Published only)







Overview of the company

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Company Name	Kyuden Mirai Energy Company, Incorporated (A wholly owned subsidiary of Kyushu Electric Power Company)	
Head Office Location	KMG Building 8F, 3-2-23 Yakuin, Chuo-ku, Fukuoka 810-0022 JAPAN TEL: +81-92-981-0981 FAX: +81-92-981-0954	
Capital Stock	7,770.15 Million Yen	
Employees	196 (as of March 31, 2021)	
Date of Establishment	July 1, 2014	
Company Website	https://www.q-mirai.co.jp/top.html	
President & CEO	Yutaka Mizumachi	

